

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Docket: 4239-62279	App: _____		
				Applicant: Ronald W. Waynant			
				Filed: Herewith	Art Unit: _____		
<b>U.S. PATENT DOCUMENTS</b>							
Init.*		Number	Date	Name	Class	Sub	Filed
BES		3,864,643	2/4/1975	Waynant			
BES		3,956,711	5/11/1976	Waynant			
BES		3,991,387	11/9/1976	Waynant			
BES		5,275,168	1/4/1994	Reintjes et al.			
BES		5,418,797	5/23/1995	Bashkansky et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		Number	Date	Country	Class	Sub	
BEC		0 446 028 A2	11.09.91	EPC			
<b>OTHER DOCUMENTS</b>							
BET		Database WPI, Section EI, Week 199418, Derwent Publications Ltd., London, GB, AN 1994-150804 & US 8 083 580 A (US Dept. of Navy) 1194.					
BES		Barty et al., "Multiterawatt 30-fs Ti:sapphire Laser System," <i>Opt. Lett.</i> 19:1442-1444 (1994).					
BES		Barty et al., "Ultrafast, Laser-Generated, X-Ray Radiography," <i>Tuesday Morning CLEO</i> , pg.73 (1996).					
BES		Barty et al., "Time-Gated Medical Imaging With Ultrafast Laser Plasma X-Rays," <i>SPIE</i> 2523:286-298 (1995).					
EXAMINER: <i>Bernard Soww</i>				DATE <i>05/05/04</i>			
*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.							

JC19 Rec'd PCT/PTO 06 MAR 2002

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## OTHER DOCUMENTS

BES			Barty et al., "Applications of a 30-fs Multiterawatt Laser (A): Generation and Time-Gated Imaging of Laser-Produced X-Rays for Medical Applications," <i>Laser Interaction and Related Plasma Phenomena</i> , 12 <sup>th</sup> International Conference, pp. 672-677 (1996).
			Bell et al., "Electrical Characteristics of Short Pulse Gated Microchannel Plate Detectors," <i>Rev. Sci. Instrum.</i> 63:5072-5074 (1992).
BES			Carruthers in <i>Optical and Electro-Optical Engineering Series</i> , Waynant et al. (eds.), McGraw Hill, pp. 15.1-15.39 and 18.8-18.11 (1993).
			Ehrlich et al., "Guiding of High Intensity Laser Pulses in Straight and Curved Plasma Channel Experiments," <i>Phys. Rev. Lett.</i> 77:4186-4189 (1996).
BES			Gordon III et al., "Time-Gated Imaging with an Ultrashort-Pulse, Laser-Produced-Plasma X-Ray Source," <i>Opt. Lett.</i> 20:1056-1058 (1995).
			Grätz et al., "Time-Gated Imaging in Radiology: Theoretical and Experimental Studies," <i>J. Selected Topics in Quantum Electron.</i> 2:1041-1048 (1996).
BES			Hooker, "Light at the End of the Tunnel?," <i>Opt. Photonics News</i> , pp. 21-25 (1997).
			Jennings et al., "Evaluation of X-Ray Sources for Mammography,"
BES			Kaganovich et al., "Investigations of Double Capillary Discharge Scheme for Production of Wave Guide in Plasma," <i>Appl. Phys. Lett.</i> 71:2925-2927 (1997).

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BES			Kasapi et al., "Electromagnetically Induced Transparency: Propagation Dynamics," <i>Phys. Rev. Lett.</i> 74:2447-2450 (1995).	
BES			Korobkin et al., "Demonstration of Soft X-Ray Lasing to Ground State in Li III," <i>Phys. Rev. Lett.</i> 77:5206-5209 (1996).	
BES			Lemoff et al., "Generation of High-Peak-Power 20-fs Pulses from a Regeneratively Initiated, Self-Mode-Locked Ti:sapphire Laser," <i>Opt. Lett.</i> 17:1367-1369 (1992).	
BES			Mourou et al., "Ultrahigh-Intensity Lasers: Physics of the Extreme on a Tabletop," <i>Physics Today</i> , pp. 22-28 (1998).	
BES			Nagata et al., "Soft-X-Ray Amplification of the Lyman- $\alpha$ Transition by Optical-Field-Induced Ionization," <i>Phys. Rev. Lett.</i> 71:3774-3777 (1993).	
BES			Tien et al., "High-Dynamic-Range Laser-Pulse-Contrast Measurement with a Plasma-Shuttered Streak Camera," <i>Opt. Lett.</i> 22:1559-1561 (1997).	
BES			Tillman et al., "Imaging Using Hard X-Rays from a Laser-Produced Plasma," <i>Appl. Phys.</i> 61:333-338 (1995).	
BES			Tillman et al., "Elemental Biological Imaging by Differential Absorption Using a Laser-Produced X-Ray Source," <i>JOSA B</i> 13:209- (1996).	
BES			Yamakawa et al., "Generation of 16-fs, 10-TW Pulses at 10-Hz Repetition Rate with Efficient Ti:sapphire Amplifiers," <i>Opt. Lett.</i> 23:525-527 (1998).	
EXAMINER: <i>Bernard Sonw</i>			DATE <i>05/05/04</i>	
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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Docket Number	4239-62279
Application Number	10/070,675
Filing Date	March 6, 2002
First Named Inventor	Waynant
Art Unit	2881
Examiner Name	Bernard E. Souw

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Number	Date	Name
BES		5,371,368	12/6/94	Alfano et al.
BES		5,625,458	4/29/97	Alfano et al.
BES		5,644,429	7/1/97	Alfano et al.
BES		5,710,429	1/20/98	Alfano et al.
BES		5,719,399	2/17/98	Alfano et al.
BES		5,813,988	9/29/98	Alfano et al.
BES		5,847,394	12/8/98	Alfano et al.
BES		5,931,789	8/3/99	Alfano et al.
BES		6,208,886	3/27/01	Alfano et al.
BES		6,215,587	4/10/01	Alfano et al.

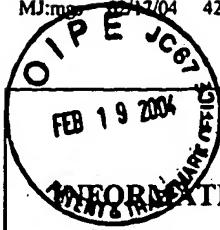
**FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Number	Date	Country
BES		WO 97/18487	5/22/97	WIPO

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS

EXAMINER SIGNATURE: *Bernard Souw* DATE CONSIDERED: *05/05/04*

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		<b>Art Unit</b>	2881
		<b>Examiner Name</b>	Bernard E. Souw
<i>B-ES</i>	E. A. McLean et al., "Short-pulse range-gated optical imaging in turbid water", <i>Appl. Opt.</i> 34:4343-4351 (July 20, 1995).		

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<b>EXAMINER SIGNATURE:</b>	<i>Bernard Souw</i>	<b>DATE CONSIDERED:</b>	<i>05/05/04</i>
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